

ABSTRACT

A method for producing electrical power which, in certain aspects, includes producing a water/methanol mixture and feeding it to converting apparatus that produces a feed stream with hydrogen, carbon dioxide, and steam; recovering hydrogen from the feed stream and feeding the hydrogen to combusting apparatus which produces power; powering a turbine with the power to drive an electrical generator producing electricity; recovering steam from an exhaust of the turbine; condensing the steam and feeding it to the converting apparatus; and systems for doing this.